



Ref: L08122/BH/20-156

28 March 2022

KIS Plant Pty Ltd  
c/- Groundwork Plus  
6 Mayneview Street  
MILTON QLD 4064

**Attention: Mr Jim Lawler**

Dear Jim

**Re: March 2022 Noise Compliance Monitoring – Coraki Quarry, Coraki**

Noise compliance monitoring was conducted for the Coraki Quarry in December 2021 in accordance with Condition 5(c) of the Development Consent Schedule 3.

Noise monitoring was undertaken between 10:00am and 11:30am on 22 March 2022.

KIS Plant Pty Ltd (trading as KIS Quarries) has advised that no noise complaints have been received in relation to the Coraki Quarry since the previous December 2021 noise monitoring event.

Weather conditions were fine (no rainfall). Winds were from westerly directions and were measured in the field to be generally 2 to 3 metres per second as the on-site weather station was not operating, presumably from damage during the recent regional weather event. Wind speeds were assessed to be below the Development Consent wind speed threshold of 3 metres per second.

For certain locations/measurements, extraneous noise influences included:

- Wind / tree noise – short-term wind gust periods were paused / excluded from the measurements to the extent possible
- Bird calls – able to be substantially but not completely filtered out through post-processing using audio recordings
- Public road traffic noise – not able to be completely filtered out due to relatively continuous truck traffic on Lagoon Road associated with the haulage of regional flood waste to the quarry for storage

Coraki Quarry operations during the noise monitoring period were as follows:

- Main crushing and screening plant
- Excavator sorting and loading material
- Loading plant from ROM pad
- Stockpile management
- Loading and dispatch of product (road) trucks

Noise monitoring was undertaken over generally 15 minute periods at free-field locations within 30 metres of the following two (2) residential dwellings nearest to the Coraki Quarry (refer **Figure 1**):

- R1
- R4

No monitoring was able to be undertaken at residence R6 on the day due to a specific request from the resident as a result of COVID-19 isolation protocols. It is noted that recent compliance noise monitoring events have assessed compliant noise at residence R6.

Noise monitoring was undertaken using a Bruel & Kjaer Type 2250 frequency analysing sound level meter. The sound level meter was calibrated to a reference signal of 94 dB at 1kHz prior to the monitoring and displayed no variance post-monitoring.

Condition 4 of the Development Consent Schedule 3 prescribes a 35 dB(A)  $L_{Aeq,15min}$  noise limit for privately owned residences unless formal written agreements are in place with landowners.

As allowed for by Development Consent Schedule 3 Condition 4 and EPL Condition L4.2, formal written agreements are in place with the following landowners to the effect that the landowners do not hold objections to the operation of the Coraki Quarry exceeding the noise emission criterion by up to 5 dB(A):

- R1: 200 Lagoon Road, Coraki
- R6: 1905 Casino-Coraki Road, Coraki

As allowed for by Development Consent Schedule 3 Condition 4 and EPL Condition L4.2, formal written agreements are in place with the following landowners to the effect that the landowners do not hold objections to the operation of the Coraki Quarry exceeding the noise emission criterion:

- R2: 95 Spring Hill Road, Coraki
- R3: 75 Spring Hill Road, Coraki
- R7: 140 Newmans Road, Coraki

On the basis of the agreements in place with the owners of 95 Spring Hill Road, 75 Spring Hill Road and 140 Newmans Road there was no requirement for assessment of compliance with the noise limits at R2, R3 and R7.

A summary of the 22 March 2022 compliance noise monitoring is provided in **Attachment 1**.

During the 22 March 2022 noise monitoring period the Coraki Quarry was assessed to be **compliant** with the Development Consent and Environment Protection Licence No. 3397 noise limits at the monitoring locations.

Further noise compliance monitoring is required by 30 June 2022 in accordance with Condition 5(c) of the Development Consent Schedule 3.

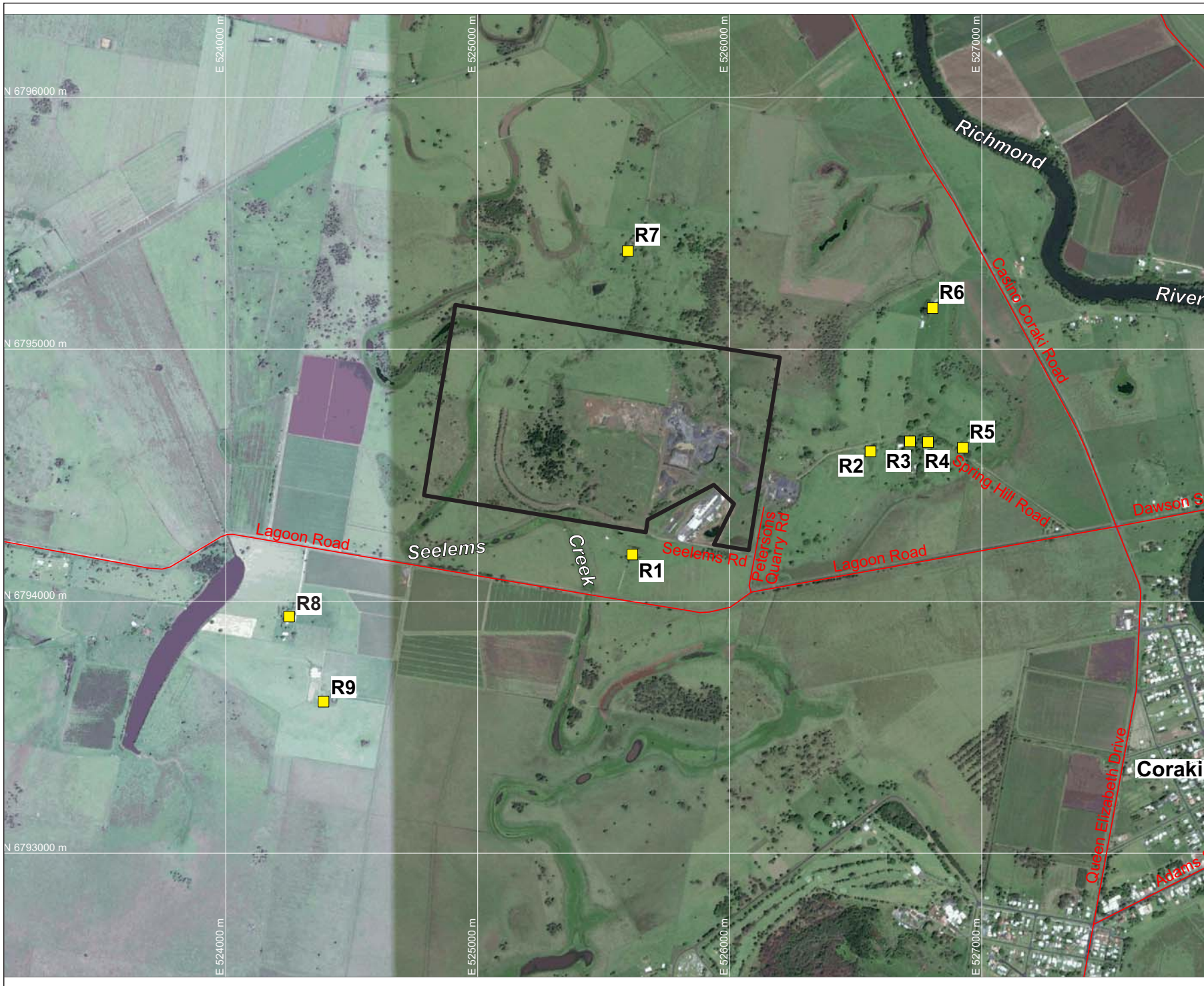
If you require any clarification or additional information please contact the undersigned.

Yours sincerely



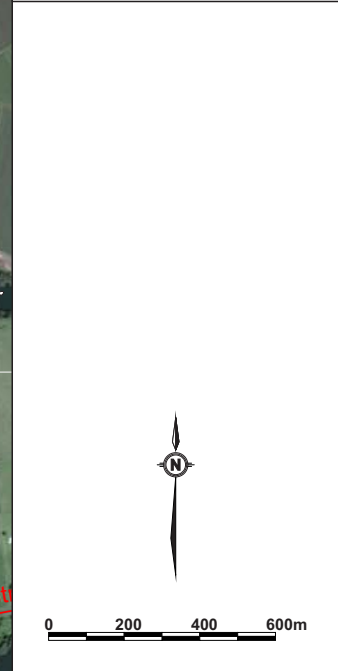
Ben Hyde  
Senior Environmental Engineer

## FIGURES



**LEGEND**  
 — SITE BOUNDARY  
 ■ R9 SURROUNDING RESIDENCES (R1-R9)

**DRAWING REFERENCE**  
 GROUNDWATER PLUS SITE LOCATION PLAN  
 1837.DRG.002, 13/04/15.



CLIENT  
**KIS PLANT PTY LTD**

PROJECT  
**CORAKI  
 NOISE COMPLIANCE  
 ASSESSMENT  
 CORAKI QUARRY**  
 Petersons Quarry Rd Coraki NSW

TITLE  
**AERIAL PHOTOGRAPH  
 SHOWING SURROUNDING  
 RESIDENCES**

JOB	CORAKI	<b>FIGURE 1</b>
JOB NO.	15-041	
DATE	16/12/16	DRAWING NUMBER
SCALE	1:20,000 (A4)	<b>15-041-1</b>
REV.		

Max Winders & Associates Pty Ltd tas MWA Environmental  
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# **ATTACHMENT 1**

*Summary of Compliance Noise Monitoring*

**CORAKI 20-156**

**22/03/2022**

MONITORING LOCATION	TIME	WIND	ASSESSED QUARRY NOISE Leq - dB(A)	OPERATIONS	NOISE LIMIT LAeq dB(A)	STATUS	NOTES
R1	1025	2 m/s WSW	<35	Normal Operations no drilling	40	Compliant	Some wind/tree gusts excluded, minor bird influence, Trucks and FEL audible at top area (including flood cleanup trucks), consistent flood cleanup trucks entering quarry via Petersons Road, processing plant not audible, FEL peaks at times 34-36dBA, overall quarry <35dB(A)
R4	1050	2 m/s WSW	<35, inaudible	Normal Operations no drilling	35	Compliant, inaudible	Lagoon Rd constant flood cleanup truck traffic, Lagoon Rd roadworks, quarry inaudible